

U.S. EPA TECHNICAL SUPPORT PROJECT SEMI-ANNUAL MEETING AGENDA

July 14-17, 1998
Holiday Inn Baltimore—Inner Harbor
301 W. Lombard Street
Baltimore, MD



U.S. EPA TECHNICAL SUPPORT PROJECT CO-CHAIRS

Engineering Forum:

Steve Kinsler, Region 7 • Bob Stamnes, Region 10 • Frank Vavra, Region 3

Ground-Water Forum:

Herb Levine, Region 9 • Luanne Vanderpool, Region 5

Federal Facilities Forum:

Meghan Cassidy, Region 1 • Paul Leonard, Region 3
Scott Marquess, Region 7

TUESDAY, JULY 14, 1998

8:00 - 8:30 REGISTRATION

**8:30 -11:30 am
FORUM BUSINESS SESSIONS**

Engineering Forum

8:30 - 12:00

- Election of two open co-chair positions. Co-Chair terms for vacated position will be discussed.
- Issue Paper: Post Compliance Monitoring of Caps (*Neil Thompson, Region 10*)
- Web Page Status and Future Directions (*John DeLashmit, Region 7*)
- Status of HQ efforts to distribute Forum documents electronically (*Rich Steimle, TIO*)
- Open Discussions on new Forum efforts

Federal Facilities Forum

8:15 - 9:00

Regional Hot topics/issues (*All Forum Members*)

9:00 - 10:00

Issue Papers (*Harry, Doug, cochairs*)

10:00 - 10:15 Break

10:15 - 11:15

The Army Peer Review Process (*Scott Snyder, Army Environmental Center*)

11:15 - 11:45

Phytoremediation at Aberdeen Proving Ground J Field (*Steve Hirsh, Region 3*)

Ground Water Forum

8:30-12:00

- Introductions & Meeting Goals
- Action Item Status Reports
- Roles & Responsibilities: By-Law Revisions
- Regional Experience with Preservation of VOA Soil Samples
- Woes and Problems (and Solutions) of Low Flow Sampling

11:30-12:45 PM

LUNCH

1:00 - 3:00 pm

PLENARY SESSION

WELCOME ADDRESSES

1:00-2:45

Walt Kovalick, Director of EPA's Technology Innovation Office (confirmed)
Jim Woolford, Director of EPA's Federal Facilities Restoration and Reuse Office (Confirmed)
Steve Luftig, Director of EPA's Office of Emergency and Remedial Response (Steimle to Confirm)
Representative from Omaha Army Corps Center of Excellence (Steimle to Confirm)
Abraham Ferdas, Hazardous Site Cleanup Division Director, Region 3 (Leonard to Confirm)

2:45- 3:00

BREAK

TECHNICAL SESSION

3:00 - 3:30

Permeable Well presentation from the Tacony Warehouse Site Philly, PA (*Mark Sylvester, Radian Corporation*)

3:30 -4:10

Update on the Bioremediation RTDF and other RTDF activities (*Kathy Yager, TIO*)

4:10 -5:00

Problems with Extraction and Injection Wells (Emphasizing Biofouling) (*Steve White, U.S. Army Corps of Engineers*)

8:30 am -12:00 pm

**SOIL VAPOR EXTRACTION
COURSE MODULE** (*Dave Becker,
U.S. Army Corps of Engineers Center
of Expertise*)

12:00-1:00 pm LUNCH

**1:00 - 5:00
FEDERAL FACILITY FORUM
BUSINESS SESSION**

1:00 - 1:45
HQ ROD Review (*Lance Elson FFEO,
and Steve Ells, OERR*)

1:45-2:30
Presumptive Remedy Use: Results of
National Evaluation (*Andrea
McLaughlin, OERR*)

2:30-2:45 BREAK

2:45-5:00
Institutional Controls Discussion on
Regional Practices

**2:00 - 5:00
UXO WORKGROUP MEETING**

8:30 am - 12:00 pm

**SITE CHARACTERIZATION FOR
THE 21ST CENTURY**

8:30 - 9:15 The Field Use of the
Automated Sampling and Analytical
Platform (ASAP) - What worked, what
didn't and at what cost (Gary Hopkins,
Stanford University)

9:15- 9:45 Uses of Vapor
Diffusion Samplers to Detect VOCs at
the Ground Water/Surface Water
Interface Near Superfund Sites in New
England (Forest Lyford, USGS)

9:45-10:00 Break

10:00-10:45 The Use of Rapid
Adaptive Site Characterization For
Understanding the Anatomy and
Processes of Contaminant Plumes (Seth
Pitkin, Stone Environmental)

10:45-11:30 Geochemical, et al,
Site Characterization (Sheridan Haack,
USGS)

11:30-12:15 Multilevel Ground
Water Sampling with Everting Liners
(Carl Keller, Flexible Liner
Underground Technologies, Ltd)

12:15-1:15 LUNCH

1:15-2:15 INEEL Test Area
North Site Characterization Techniques
and GW modeling (Kent Sorenson,
Parsons Infrastructure & Technology
Group, Inc)

2:15-3:00 Issues Associated
With Three-Dimensional
Characterization of Sites Contaminated
With LNAPLs (Gary Robbins,
University of Connecticut)

3:00-3:15 Break

3:15-5:00 Round-Table
Discussion of Site Characterization in
the 21st Century (Moderators Curt
Black and Kay Wischkaemper)

8:30 am - 12:00 pm

**OPTIMIZATION OF GROUND
WATER TREATMENT SYSTEMS:
PRESENTATION FOCUS ON
SOLVING PRACTICAL FIELD
PROBLEMS** (*Bob Saari, U.S.Army
Corps of Engineers Center of Expertise*
)

8:30 - 8:50 Extraction Wells

8:50 - 9:50 Electrochemical
Precipitation/Clarification/Filtration

9:50 - 10:00 Break

10:00 - 10:50 Advanced Oxidation
Processes

10:50-11:00 Break

11:00-11:45 Liquid Carbon
Adsorption

11:45 - 12:00 Reinjection Wells

12:00-1:00 LUNCH

1:30 - 2:00 Follow-Up Open
Discussion Session With USACE on
Injection/Extraction Well Problems

**2:00 - 4:00 ENGINEERING
FORUM BUSINESS SESSION**

- Forum Evolution: Challenges to
Forum participation and where do we
go from here?
- Number of meetings per year:
administrative burden
- Headquarters Support and Contractor
Assistance
- How to encourage greater member
participation
- Forum Impacts on Declining
Superfund Program and the Impact of
a Declining Superfund Program on
the Forum
- State Involvement - Identification
of the best way for the Forum to
Interact With the States (*Rich
Steimle, TIO*)
- Action Items/Assignments

THURSDAY, JULY 16, 1998

8:30-5:30

ALL-DAY FIELD TRIP TO ABERDEEN PROVING GROUND, ABERDEEN, MD

8:30 am Depart Baltimore

9:00 am Arrive Aberdeen Edgewood Gunpowder Club

9:00 am - 12:00 pm AEC Posters and Demonstrations

- Phytoremediation
- Field Analytical Methods
- Bioremediation
- SCAPS
- UXO
- RANGE XXI

EPA Video: Phytoremediation at Aberdeen

Field Analytical Methods for Explosives

11:15 am - 12:15pm

Nike Site

- UXO Removal, technology, planning,(APG/COE)
- Overall Nike Site Briefing (APG)

Ground Water Forum

- Beach Point- TI Waiver (EPA-KD)
- West Branch Canal Creek NA Study (USGS)

12:30 - 1:30 pm

LUNCH at the Gunpowder Club

2:00 - 4:15 pm

O-Field

- Extraction System, PIU (APG, MES)
- Treatment Plant (APG, MES)
- Continuous Bio-Monitoring (Ft. Detrick)

J-Field

- Phytoremediation (ERTC)
- Recirculating Well (APG, UVB)
- Biomonitoring with Bees (Univ of Montana)
- Geophysics Demo (ERTC)

4:30 pm

Depart Aberdeen

5:00 pm

Arrive Baltimore

NOTE: The Nike Site and Ground Water Forum trips are available for those interested. All are welcome to stay with the posters until lunch.

We will break-up into two groups after lunch. Each group will visit both O-Field and J-Field. This part of the trip will be an escorted site tour and there will be no opportunity for attendees to break from the group early to catch early flights home.

Capacity for the field trip is limited. If you are not pre-registered for the trip, you may not be able to attend. For more information, please contact Steve Hirsh, U.S. EPA Region 3 at (215) 566-3352, or Edie Findeis of Environmental Management Support, Inc., at (301) 589-5318.

FRIDAY, JULY 17, 1998

8:00-12:00

FORUM BUSINESS SESSIONS

WRAP-UP AND ASSIGNMENT OF ACTION ITEMS

Federal Facilities Forum

Wrap-Up and Overview of Action Items

Topics to be addressed

8:00 - 8:30

Sites Data Base (cochairs)

8:30 - 9:00

Web Page Update (subgroup report; Nancy Morlock, Steve Hirsh, Jim Keifer)

9:00 - 10:00

UXO subgroup update

10:00 - 10:15

BREAK

10:15 - 10:45

Pilot Scale Treatability Studies of multiple Advanced Oxidation Processes for Explosives Contaminated Groundwater at Savanna Army Depot (*Dr. Robert LaFrenz, Innovatech Inc. for USAEC*)

10:45 - 12:00

Future direction of the Forum and Meeting Recap

12:00-12:30

CO-CHAIR DEBRIEFING

Ground Water Forum

Wrap-Up and Overview of Action Items

Topics to be addressed

Borehole Flowmeter Experience(Vince Malott)

Passive Bag Sampling (Alison Hess)

State Involvement Ideas

Future Plans and Meeting Recap